| Ref<br>#  | Hits  | Search Query  | DBs   | Default<br>Operator | Plurals | Time Stamp       |
|-----------|-------|---|---|---------------------|---------|------------------|
| S1        | 8     | ("5852541" "6046897" "6329692"<br>"6576958").pn.                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2006/02/02 10:01 |
| <b>S2</b> | 1952  | esd same diodes   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2006/02/01 14:23 |
| S3        | 24    | esd same diodes adj parallel  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2006/02/01 14:28 |
| S4        | 227   | esd same diodes with parallel   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2006/02/01 14:28 |
| S5        | 35    | esd same diodes with parallel same noise                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2006/02/01 14:32 |
| S6        | 16852 | (esd static adj discharge)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2006/02/01 14:33 |
| <b>S7</b> | 1415  | (esd static adj discharge) same<br>(clamp clamping clamps)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2006/02/01 14:33 |
| S8        | 514   | (esd static adj discharge) same<br>(clamp clamping clamps) same<br>diodes | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2006/02/01 14:33 |

|     |        |   |   | ,  |     |                  |
|-----|--------|---|---|----|-----|------------------|
| S9  | 52     | (esd static adj discharge) same<br>(clamp clamping clamps) same<br>diodes same parallel   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/01 14:33 |
| S10 | 6      | (esd static adj discharge) same<br>(clamp clamping clamps) same<br>diodes same parallel same noise  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/01 14:36 |
| S11 | 32     | (esd static adj discharge) same<br>(clamp clamping clamps) same<br>diodes same noise  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/01 14:42 |
| S12 | 17     | ("4763184"   "4990802"   "5264723"   "5304839"   "5345357"   "5430602"   "5446302"   "5463520"   "5521783"   "5672896"   "5774318"   "5825600"   "5838146"   "5859758"   "6025746").PN. OR ("6400204"). URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/02/01 14:41 |
| S13 | 33     | (esd static adj discharge) same<br>(clamp clamping clamps) same<br>diode same noise   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/01 14:44 |
| S14 | 343    | (esd static adj discharge) same<br>(clamp clamping clamps) and diode<br>and noise   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/01 14:44 |
| S15 | 252773 | (esd static adj discharge) same<br>(clamp clamping clamps) and<br>diodeadj parallel and noise   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/01 14:44 |
| S16 | 14     | (esd static adj discharge) same<br>(clamp clamping clamps) and diode<br>adj parallel and noise  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/01 14:48 |

| S17 | 27    | (esd static adj discharge) same<br>(clamp clamping clamps) and diode<br>adj pair and noise     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/01 14:51 |
|-----|-------|--|---|----|-----|------------------|
| S18 | 1     | (esd static adj discharge) same<br>(clamp clamping clamps) and diode<br>adj pair and noise.ti. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/01 14:51 |
| S19 | 1     | (esd static adj discharge) and (clamp clamping clamps) and diode adj pair and noise.ti.        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/01 14:51 |
| S20 | 18    | (esd static adj discharge) and (clamp clamping clamps) and diode\$1 and noise.ti.              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/01 14:53 |
| S21 | 1653  | (esd static adj discharge) and (clamp clamping clamps) and diode\$1                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/01 14:53 |
| S22 | 16852 | (esd static adj discharge)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/01 15:02 |
| S23 | 2846  | coupled adj parallel with diode\$1   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/01 15:03 |
| S24 | 142   | coupled adj parallel with diode\$1 with anode with cathode                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/01 15:03 |

| S25 | 0    | coupled adj parallel with diode\$1 with anode with cathode and (esd static adj discharge)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/01 15:05 |
|-----|------|--|---|----|-----|------------------|
| S26 | 0    | 10/811031  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/01 15:04 |
| S27 | 38   | parallel with diode\$1 with anode with cathode and (esd static adj discharge)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/01 15:41 |
| S28 | 32   | ("3967295"   "4751408"   "4757363"   "4760434"   "4831424"   "4931846"   "5119162"   "5274274"   "5397914"   "5439842"   "5504449"   "5525829"   "5525925"   "5602046"   "5629542"   "5631187"   "5661322"   "5767550"   "5777367"   "5804846"   "5805123"   "5811857"   "5818084"   "5909139"   "5923210"   "5946588"   "5998836").PN. OR ("6172383").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/02/01 15:21 |
| S29 | 2    | "6327126".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/01 15:42 |
| S30 | 9    | ("5907464"   "5930094").PN. OR<br>("6327126").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/02/01 15:44 |
| S31 | 2364 | 361/56.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/02/01 16:09 |
| S32 | 316  | 361/56.ccls. and noise and diode   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/02/01 15:53 |
| S33 | 86   | i/o same diode same esd same internal  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/02/01 15:54 |
| S34 | 6    | ("5528188"   "5565790"  <br>"6125021"   "6275089").PN. OR<br>("6621673").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/02/01 16:02 |
| S35 | 1840 | 361/56.ccls.   | USPAT   | OR | OFF | 2006/02/01 16:09 |

| S36 | 4         | ("5817577"   "6317306"  <br>"6365939"   "6537883").PN. OR<br>("6822840").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/02/01 16:13 |
|-----|-----------|---|---|----|-----|------------------|
| S37 | 6         | ("4876620"   "5291051"  <br>"5304839"   "5637900"   "5889309"<br>  "5986867").PN. OR ("6631059").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/02/01 16:25 |
| 538 | 20        | ("4315229"   "4383229"   "4806999"   "4958255"   "5293298"   "5357397"   "5469107"   "5576680"   "5578860"   "5712753"   "5715127"   "5896113"   "5901022"   "5917220"   "5969929"   "6005756"   "6014066"   "6057714"   "6091595"   "6371927").PN. OR ("6597227"). URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/02/01 16:49 |
| S39 | 118       | (jin sutardja tse tsai).in. and marvell.as.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/02/02 13:56 |
| S40 | 17        | pad and i/o and esd and diode\$1<br>and parallel with opposite  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/02 10:25 |
| S41 | 6         | ("5515225"   "5991135"  <br>"6078068"   "6104588").PN. OR<br>("6456472").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/02/02 10:04 |
| S42 | 38        | ("4559579"   "4893168"  <br>"4945395"   "5019889"   "5063429"<br>  "5087955"   "5347150"  <br>"5365091"   "5581202"   "5593927"<br>  "5602406"   "5672895"  <br>"5773854"   "5940258"  <br>"5955764").PN. OR ("6078068").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/02/02 10:06 |
| S43 | 10        | ("3787717"   "4385337"  <br>"4423431"   "4763184"   "5079612"<br>  "5239440"   "6078068"  <br>"6437955"   "6587321"  <br>"6639771").PN. OR ("6862161").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/02/02 10:21 |
| S44 | <b>45</b> | pad and esd and diode\$1 and parallel with opposite   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/02 10:36 |

| S45 | 1    | 10/090904   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/02 10:43 |
|-----|------|---|---|----|-----|------------------|
| S46 | 2429 | 361/56.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/02 10:56 |
| S47 | 7    | ("4989057"   "5321293"  <br>"5473500").PN. OR ("5784235").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/02/02 10:55 |
| S48 | 359  | 361/56.ccls. and esd and clamp                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/02 10:57 |
| S49 | 267  | 361/56.ccls. and esd and clamp and pad                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/02 11:25 |
| S50 | 772  | esd and clamp and pad not S49                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/02 11:27 |
| S51 | 203  | esd and clamp and pad and shunt<br>not S49                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/02 12:37 |
| S52 | 2    | "5430595".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/02 12:41 |
| S53 | 61   | anti\$parallel adj diode\$1 and esd                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/02 12:45 |

| S54 | 12   | anti\$parallel with diode\$1 and static adj discharge and pad  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/02 12:46 |
|-----|------|--|---|----|-----|------------------|
| S55 | 12   | anti\$parallel same diode\$1 and static adj discharge and pad  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/02 12:46 |
| S56 | 27   | (back adj back opposite with<br>parallel anti\$parallel) same diode\$1<br>and static adj discharge and pad                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/02 12:47 |
| S57 | 92   | (back adj back opposite with<br>parallel anti\$parallel) same diode\$1<br>and (static adj discharge esd) and<br>pad                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/02 12:57 |
| S58 | 140  | (back adj back opposite with<br>parallel anti\$parallel) same diode\$1<br>and (electro\$static adj discharge)<br>and noise           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/02 12:58 |
| S59 | 46   | (back adj back opposite with<br>parallel anti\$parallel) same diode\$1<br>and (electro\$static adj discharge)<br>and noise and clamp | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/02 13:02 |
| S60 | 9871 | (back adj back opposite with parallel anti\$parallel) with diode\$1  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/02 13:03 |
| S61 | 2046 | (back adj back opposite with parallel anti\$parallel) with diode\$1 and noise  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/02 13:04 |

| S62 | 282   | (back adj back opposite with parallel anti\$parallel) with diode\$1 and noise and clamp                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/02 13:06 |
|-----|-------|---|---|----|-----|------------------|
| S63 | 11897 | low adj noise adj amplifier   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/02 13:06 |
| S64 | 31    | low adj noise adj amplifier and anti\$1parallel with diode  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/02 13:09 |
| S65 | 56    | (low adj noise adj amplifier LNA)<br>and clamp and electro\$static adj<br>discharge                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/02/02 13:09 |
| S66 | 28    | ("4630162"   "5477078"  <br>"5594266").PN. OR ("5932918").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/02/02 13:43 |
| S67 | 644   | electro\$static adj discharge and<br>discharge adj path   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/02/02 13:56 |
| S68 | 68    | electro\$static adj discharge and<br>discharge adj path same clamp  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/02/02 13:56 |
| S69 | 41    | electro\$static adj discharge and<br>discharge adj path same clamp<br>same diode                                      | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/02/02 14:01 |
| S70 | 2     | 10/281811   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/02/02 14:01 |
| S71 | 1     | ("6400541").PN. OR ("6738248").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/02/02 14:02 |
| S72 | 8     | ("3879640"   "4044313"  <br>"4158863"   "4440980"   "5764464"<br>  "5862031"   "5905617").PN. OR<br>("6400541").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/02/02 14:02 |